

Datum
2012-01-10

Er datum
2011-11-02

Er beteckning
"Askholmen"

Corolis Utvecklings AB
S Snäckskalsvägen 4
417 29 GÖTEBORG

ASKHOLMEN reg. bet. S I U D – Läckstabilitetsberäkning, Fribord, Brand

Bifogat är följande dokument

2 st. Läckstabilitetsberäkning (skada förpik) dat 2011-11-01

2 st. Fribordsplan ritn. 102-1 utg. B

2 st. Fribordsplan bilaga utg. B. dat 2011-09-29

4 st. Brand- & Säkerhetsplan, ritn. 103-1 utg B

2 st. General arrangemang 101-1 rev A

2 st. Linjeritning 100-1 rev A

Följande dokument är godkända.

Läckstabilitetsberäkning (skada förpik) dat 2011-11-01

Fribordsplan ritn. 102-1 utg. B

Fribordsplan bilaga utg. B. dat 2011-09-29

Brand- & Säkerhetsplan, ritn. 103-1 utg B

Följande dokument är information.

General arrangemang 101-1 rev A

Linjeritning 100-1 rev A

Följande noteras.

Ritning som visar däckslucka är mottagen som information. Observera att dispens för nedanstående krav skall sökas.

Minsta krav för fartyg <24 m, vidare fart än fartområde C är 450 mm karmhöjd, 2009:114 bil 5 reg 10.

Styrkan i luckan godkänd.

Enskild inspektör kan ej ta beslut i fråga. Dispensansökan skickas till Transportstyrelsen Albert Wiström, fartygstekniska enheten, box 653, 601 15 Norrköping. Skriv motivering till varför en dispens borde ges.

Med vänlig hälsning



Dan Jonsson
Förste Fartygsinspektör

ANNEX F. RESULTS OUTPUT, DAMAGE STABILITY

Calculations are based on DAMHULL date 2011-11-01 time 15:59

Shell thickness used in the calculation 8.0 mm
 X-coord. of aft end of DWL -0.00 m
 X-coord. of fore end of DWL 18.20 m

Calc. sections 41
 Plate thickness: 8.0mm

MAIN CHARACTERISTICS OF THE VESSEL:

Length betw. perpendiculars 18.20 m
 Breadth, moulded 5.15 m
 Design draught 1.00 m

X-coord. of after perpendicular -0.00 m
 X-coord. of reference point 9.10 m
 X-coord. of midship section 5.91 m
 X-coord. of building frame 0 0.00 m

Thickness of keelplate 0.000 m
 Mean thickness of shell plating 0.008 m
 Density of water 1.0050 ton/m³

RELEVANT OPENINGS IN DAMAGE STABILITY CALCULATIONS

NAME	DESCRIPTION	CONNECT	X m	Y m	Z m
OPE1	Engine air inlet		0.00	1.70	5.06



I= 1

INICASE= I1

INITIAL CASE I1 -----

INIT I1

```

-----
T0   m           0.883
TR0  m          -0.474
HEEL0 degree      0.0
DSP0 t           43.0
GMO  m           1.927
    
```

DAMAGE CASE D7

DAMAGED COMPARTMENTS

```

-----
DAMAGE CASE DESCRIPTION      COMPARTMENT      PERM. VOLUME      XCG      YCG      ZCG
                               m3              m              m              m
-----
D7                            R7              0.95   10.7   17.33   0.00   1.48
-----
    
```

INITIAL/DAMAGE CASE I1/D7 FLOATING POSITION

```

-----
CASE      PHASE      T      TR      HEEL MINGM GZMAXR MARG.LINE
          m          m degree      m          m          m
-----
I1/D7     EQ      0.88 -0.47   0.0 1.587   0.43   1.72
I1/D7     EQ      0.89 -0.42   0.0 1.637   0.43   1.74
-----
    
```

INITIAL/DAMAGE CASE I1/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS EQUILIBRIUM CONDITION AFTER FLOODING

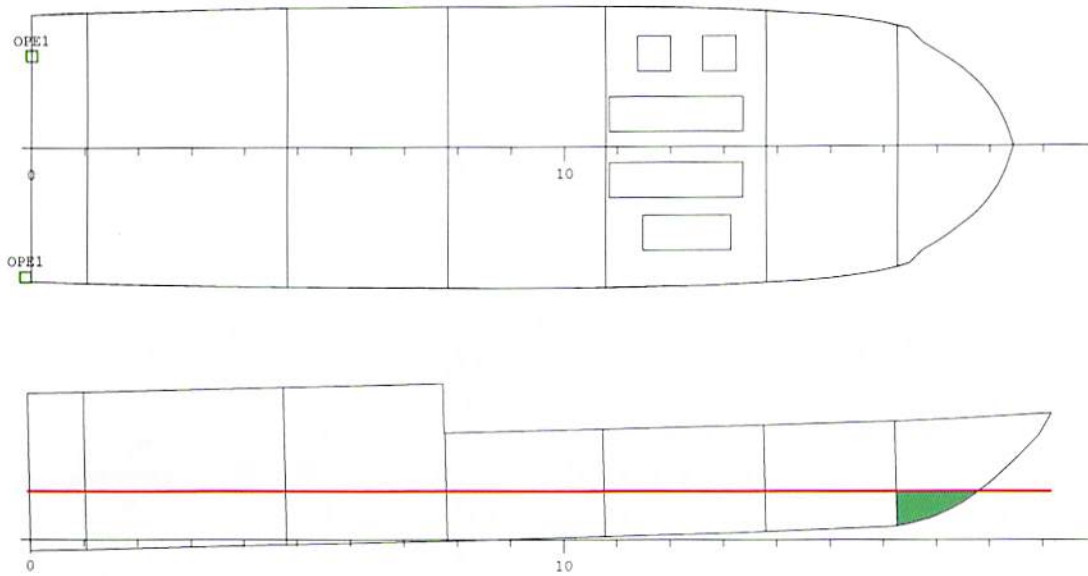
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-----
PHASE NAME      DESCRIPTION      SIDE CONNECT      FL.ANGLEFL.HEIGH
                               degree              m
-----
EQ      OPE1      Engine air inlet      PS              80.14   3.96
-----
    
```

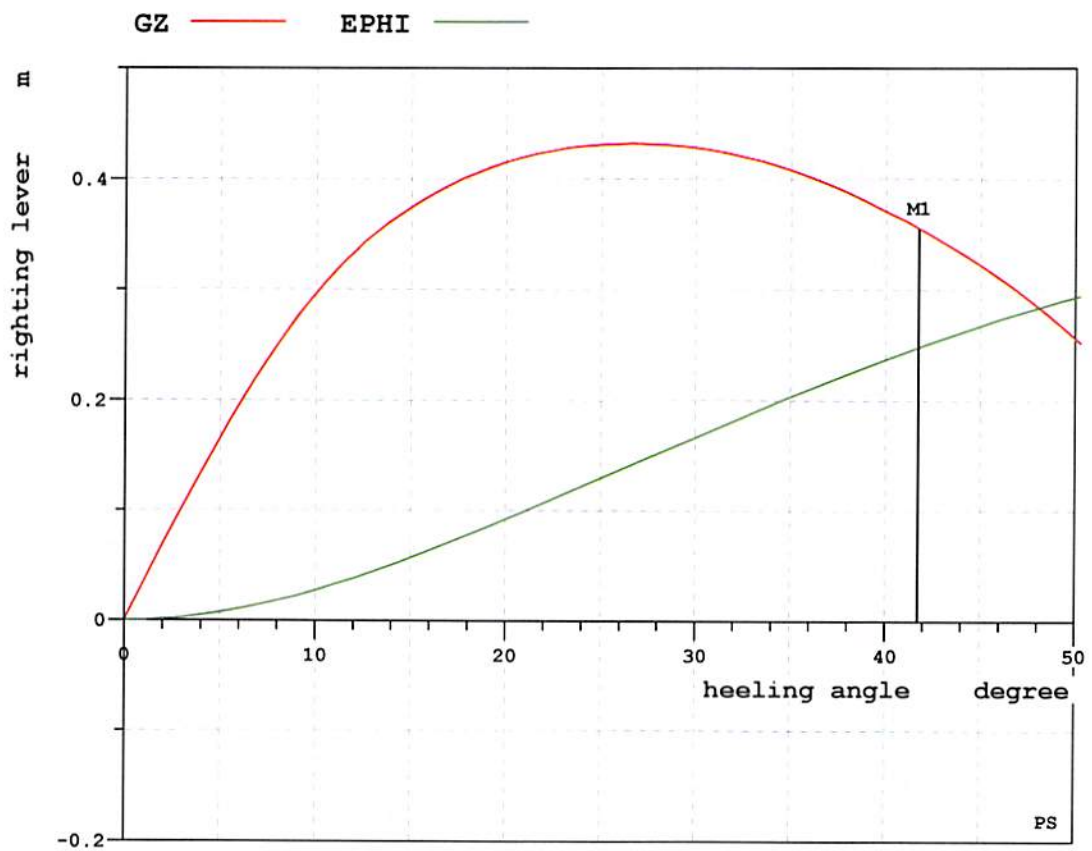
INITIAL/DAMAGE CASE I1/D7 SUMMARY OF CRITERIA STATUS

```

-----
PHASE SIDE CRITERION      DESCRIPTION      REQ.      ATT. UNIT      STATUS
-----
EQ      PS      FMAW_DAM_M.Deck edge not immersed      0.000   1.741 m      OK
EQ      PS      FMAW_DAM_R.Varalaita aukkoon      0.300   3.955 m      OK
EQ      PS      FMAW_DAM_M.Max heel 10 degrees      10.000   0.000 deg      OK
EQ      PS      FMAW_DAM_R.Positive range at least 1. 15.000   62.656 deg      OK
EQ      PS      FMAW_DAM_M.Max GZ at least 0.1m      0.100   0.432 m      OK
EQ      PS      FMAW_DAM_D.Pinta-ala 0.015 mrad      0.015   0.254 mrad      OK
-----
    
```



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I1/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I1/D7

I= 2

INICASE= I1_ICE

INITIAL CASE I1_ICE -----

INIT		I1_ICE
T0	m	0.929
TR0	m	-0.499
HEEL0	degree	0.0
DSP0	t	46.9
GMO	m	1.740

DAMAGE CASE D7

DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m	
D7	R7	0.95	10.7	17.33	0.00	1.48

INITIAL/DAMAGE CASE I1_ICE/D7 FLOATING POSITION

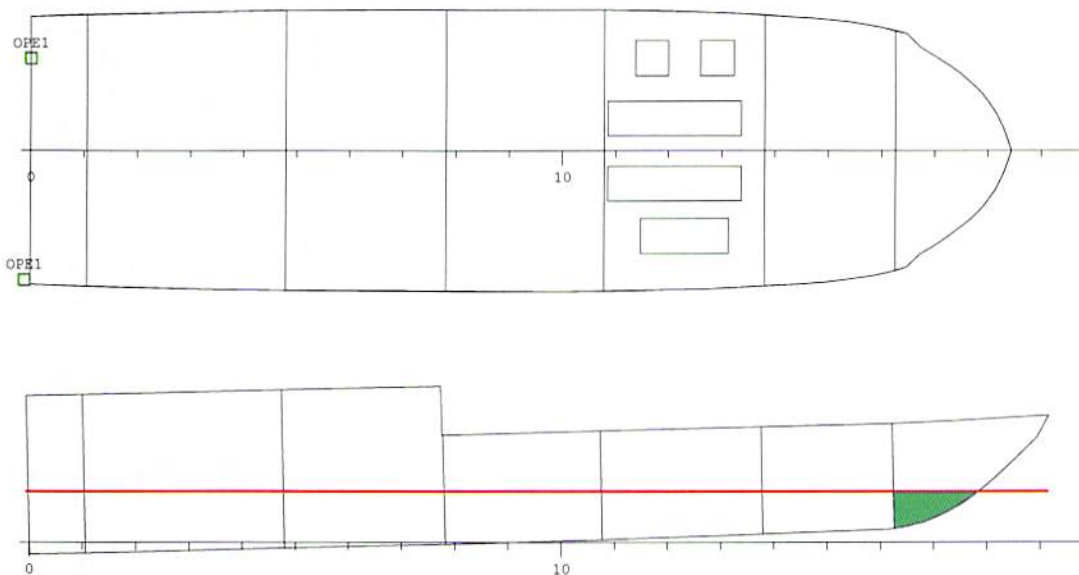
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I1_ICE/D7	EQ	0.93	-0.50	0.0	1.427	0.41	1.67
I1_ICE/D7	EQ	0.94	-0.44	0.0	1.479	0.41	1.68

INITIAL/DAMAGE CASE I1_ICE/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS EQUILIBRIUM CONDITION AFTER FLOODING

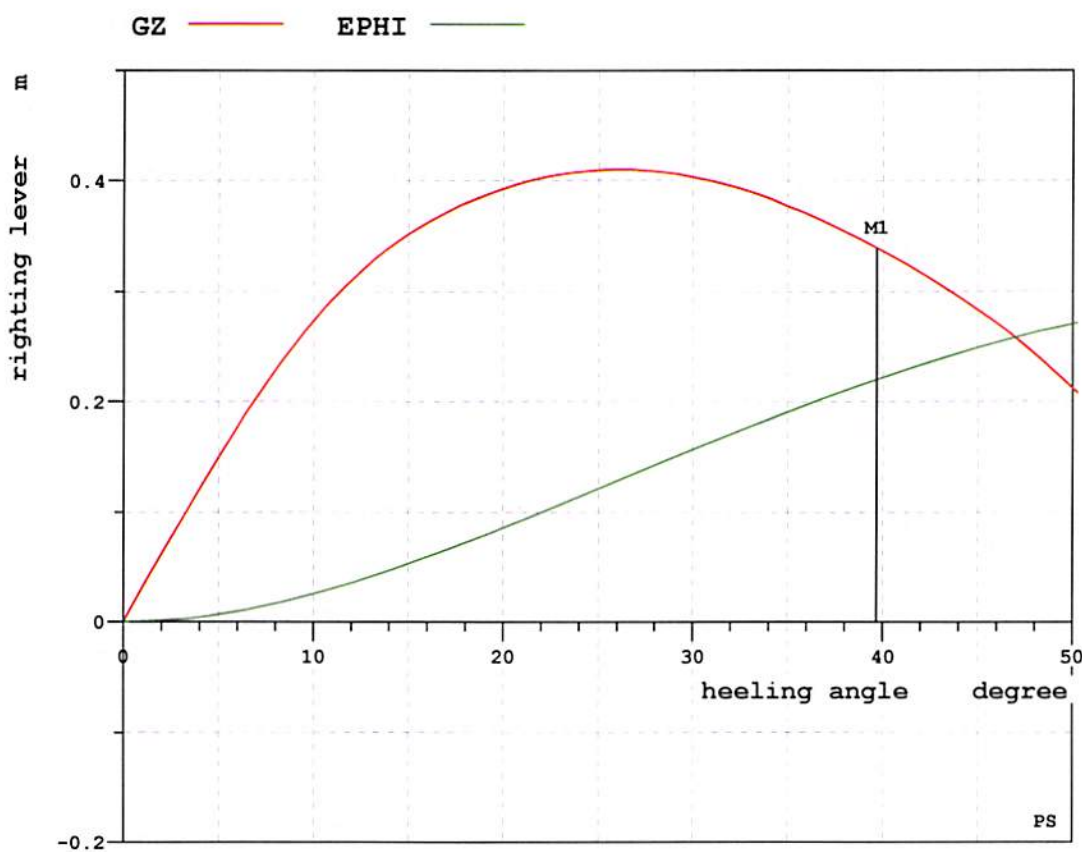
PHASE NAME	DESCRIPTION	SIDE	CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ	OPE1	Engine air inlet	PS	78.43	3.90

INITIAL/DAMAGE CASE I1_ICE/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION	DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M	Deck edge not immersed	0.000	1.684	m	OK
EQ	PS	FMAW_DAM_R	Varalaita aukkoon	0.300	3.899	m	OK
EQ	PS	FMAW_DAM_M	Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R	Positive range at least 1.	15.000	60.656	deg	OK
EQ	PS	FMAW_DAM_M	Max GZ at least 0.1m	0.100	0.410	m	OK
EQ	PS	FMAW_DAM_D	Pinta-ala 0.015 mrad	0.015	0.223	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I1_ICE/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I1_ICE/D7

I= 3

INICASE= I2

INITIAL CASE I2 -----

INIT		I2
T0	m	0.977
TR0	m	-0.298
HEEL0	degree	0.0
DSP0	t	50.0
GM0	m	1.703

DAMAGE CASE D7

DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m
D7	R7	0.95	10.7	17.33	0.00 1.48

INITIAL/DAMAGE CASE I2/D7 FLOATING POSITION

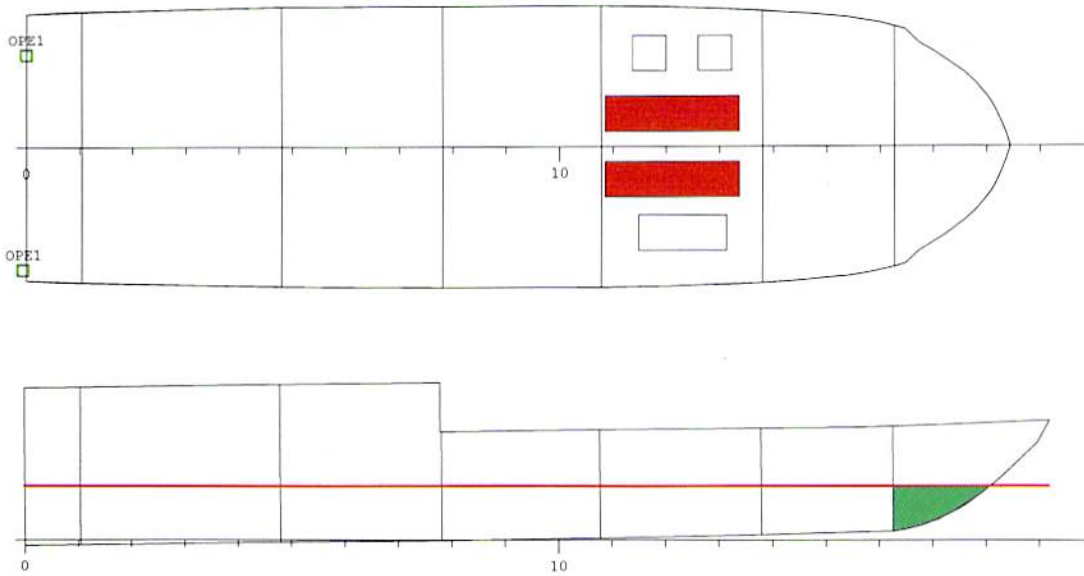
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I2/D7	EQ	0.98	-0.30	0.0	1.426	0.40	1.72
I2/D7	EQ	0.99	-0.20	0.0	1.524	0.40	1.75

INITIAL/DAMAGE CASE I2/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS EQUILIBRIUM CONDITION AFTER FLOODING

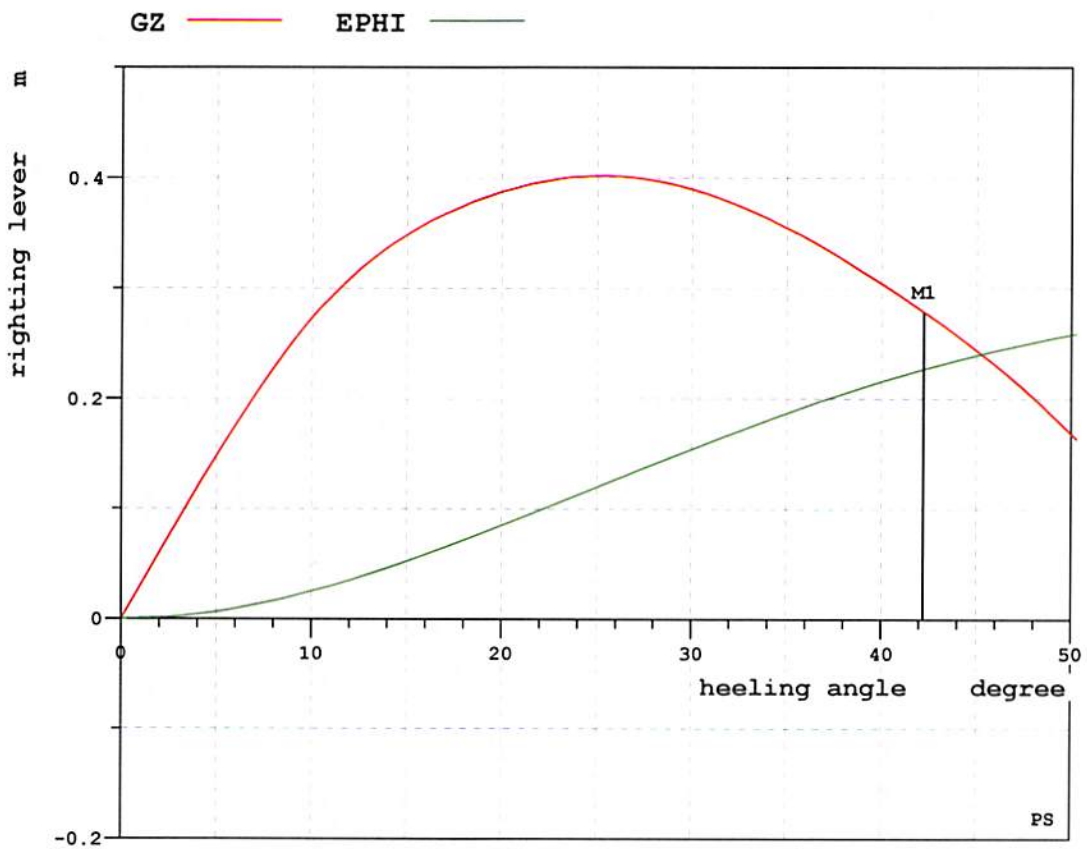
PHASE NAME	DESCRIPTION	SIDE	CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ	OPE1	Engine air inlet	PS	81.12	3.96

INITIAL/DAMAGE CASE I2/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION	DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M	Deck edge not immersed	0.000	1.748	m	OK
EQ	PS	FMAW_DAM_R	Varalaita aukkoon	0.300	3.963	m	OK
EQ	PS	FMAW_DAM_M	Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R	Positive range at least 1.	15.000	58.706	deg	OK
EQ	PS	FMAW_DAM_M	Max GZ at least 0.1m	0.100	0.402	m	OK
EQ	PS	FMAW_DAM_D	Pinta-ala 0.015 mrad	0.015	0.164	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I2/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I2/D7

I= 4

INICASE= I21

INITIAL CASE I21 -----

INIT		I21
T0	m	1.038
TR0	m	-0.072
HEEL0	degree	0.0
DSP0	t	54.5
GMO	m	1.640

DAMAGE CASE D7

DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m
D7	R7	0.95	10.7	17.33	0.00

INITIAL/DAMAGE CASE I21/D7 FLOATING POSITION

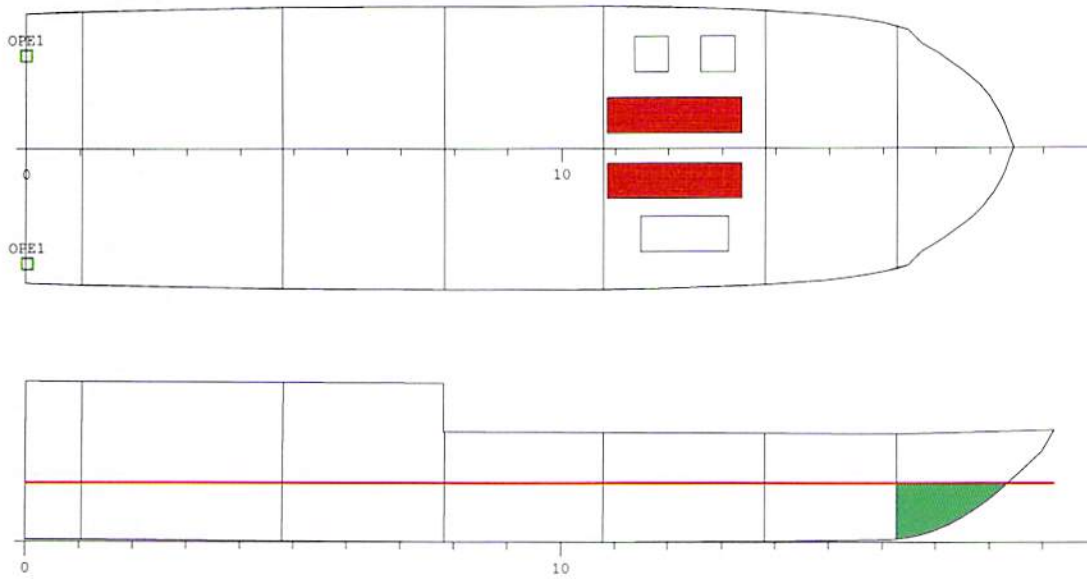
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I21/D7	EQ	1.04	-0.07	0.0	1.377	0.41	1.77
I21/D7	EQ	1.07	0.07	0.0	1.531	0.41	1.74

INITIAL/DAMAGE CASE I21/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS EQUILIBRIUM CONDITION AFTER FLOODING

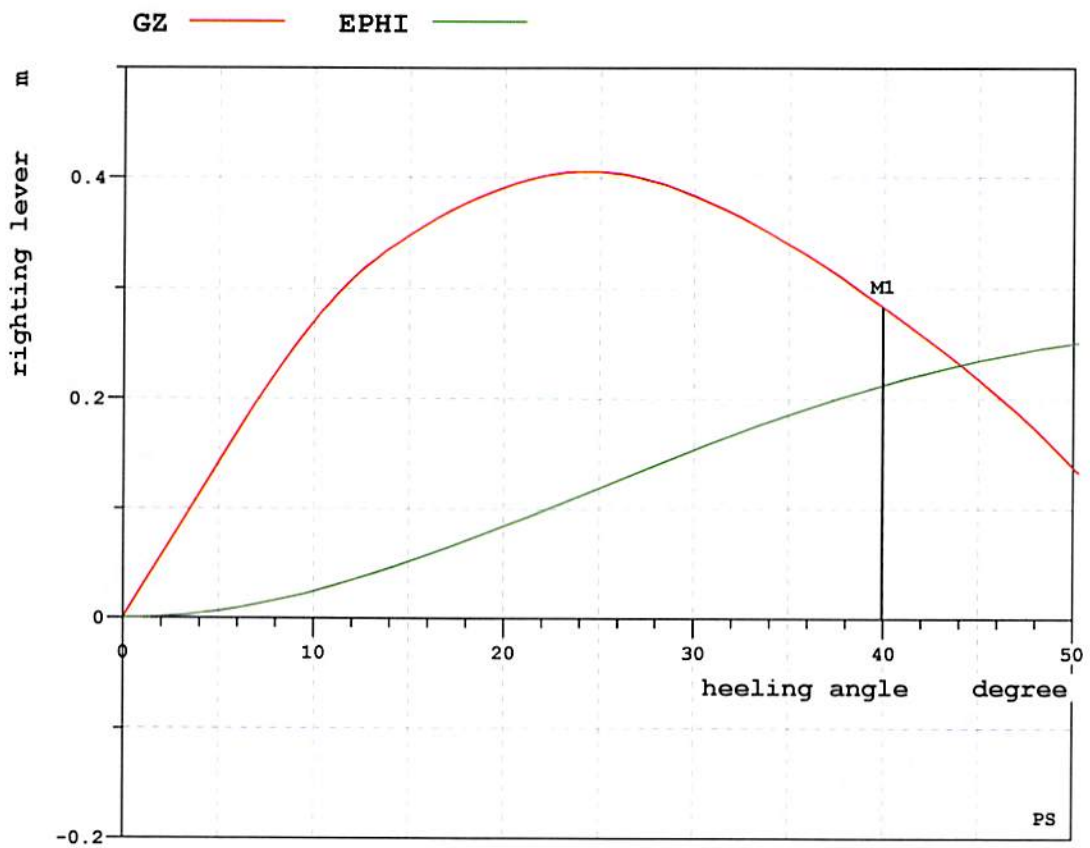
PHASE NAME	DESCRIPTION	SIDE	CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ	OPE1	Engine air inlet	PS	84.23	4.03

INITIAL/DAMAGE CASE I21/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION	DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M	Deck edge not immersed	0.000	1.736	m	OK
EQ	PS	FMAW_DAM_R	Varalaita aukkoon	0.300	4.032	m	OK
EQ	PS	FMAW_DAM_M	Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R	Positive range at least 1.	15.000	57.241	deg	OK
EQ	PS	FMAW_DAM_M	Max GZ at least 0.1m	0.100	0.405	m	OK
EQ	PS	FMAW_DAM_D	Pinta-ala 0.015 mrad	0.015	0.111	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I21/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I21/D7

I= 5

INICASE= I21_ICE

INITIAL CASE I21_ICE -----

INIT		I21_ICE
T0	m	1.081
TR0	m	-0.110
HEEL0	degree	0.0
DSP0	t	58.4
GM0	m	1.468

DAMAGE CASE D7
DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m	
D7	R7	0.95	10.7	17.33	0.00	1.48

INITIAL/DAMAGE CASE I21_ICE/D7 FLOATING POSITION

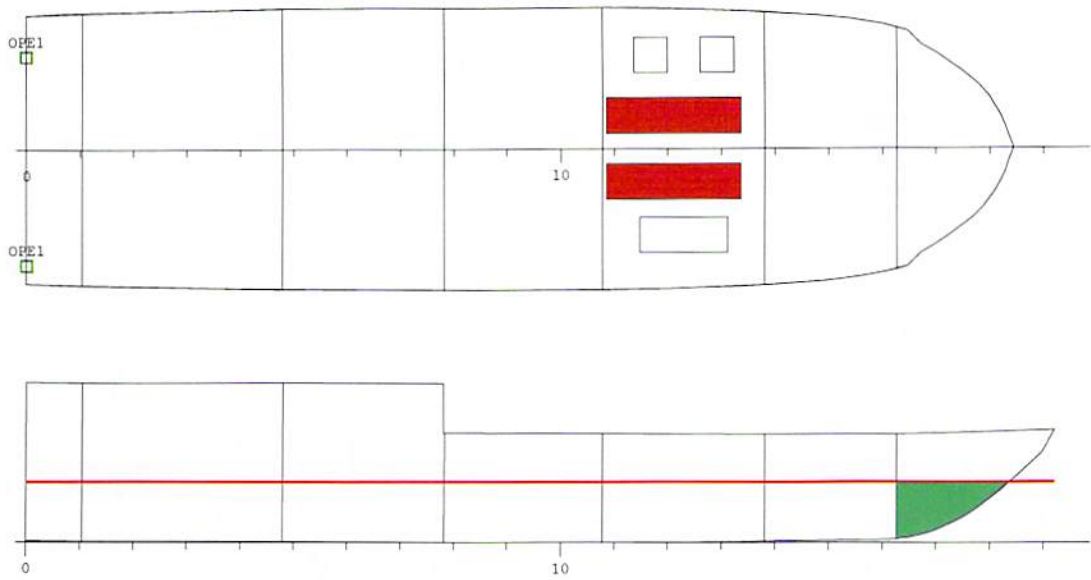
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I21_ICE/D7	EQ	1.08	-0.11	0.0	1.228	0.39	1.71
I21_ICE/D7	EQ	1.11	0.05	0.0	1.382	0.38	1.71

INITIAL/DAMAGE CASE I21_ICE/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS
EQUILIBRIUM CONDITION AFTER FLOODING

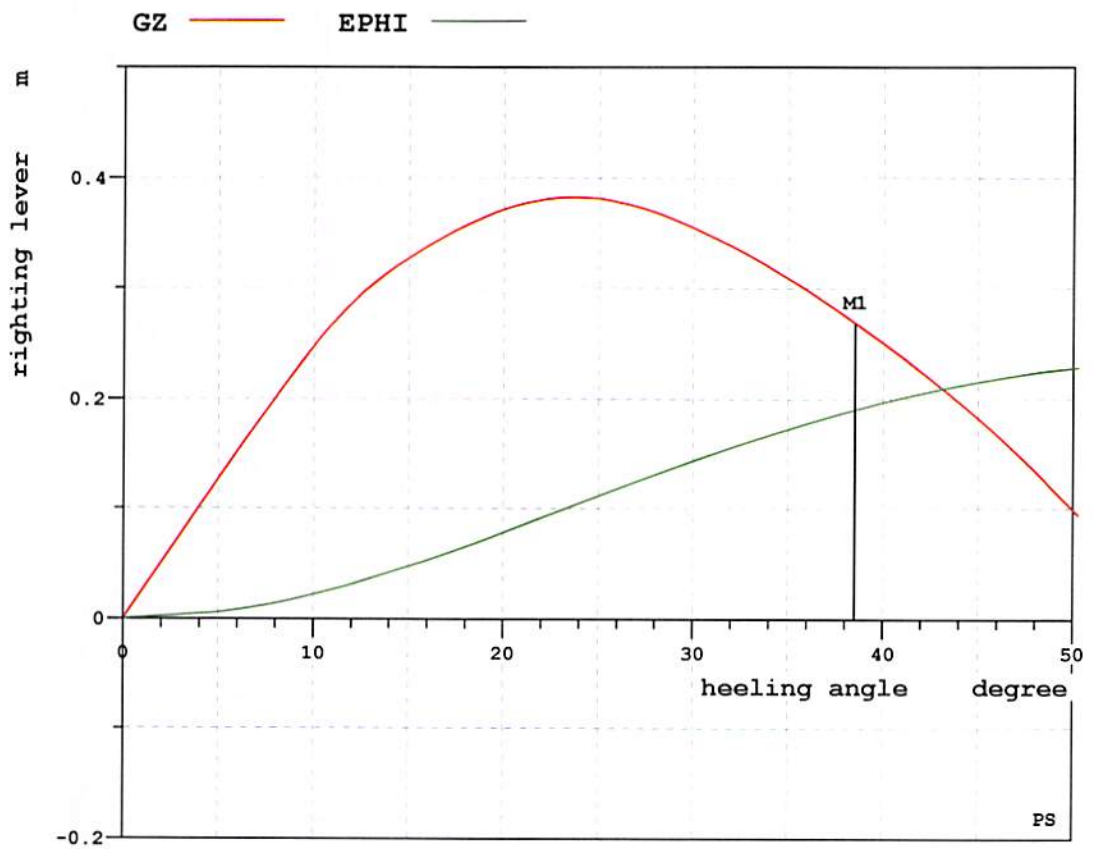
PHASE NAME	DESCRIPTION	SIDE CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ	OPE1 Engine air inlet	PS	82.38	3.97

INITIAL/DAMAGE CASE I21_ICE/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M.Deck edge not immersed	0.000	1.707	m	OK
EQ	PS	FMAW_DAM_R.Varalaita aukkoon	0.300	3.973	m	OK
EQ	PS	FMAW_DAM_M.Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R.Positive range at least 1.	15.000	55.155	deg	OK
EQ	PS	FMAW_DAM_M.Max GZ at least 0.1m	0.100	0.383	m	OK
EQ	PS	FMAW_DAM_D.Pinta-ala 0.015 mrad	0.015	0.087	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I21_ICE/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I21_ICE/D7

I= 6

INICASE= I2_ICE

INITIAL CASE I2_ICE -----

INIT		I2_ICE
T0	m	1.021
TR0	m	-0.332
HEEL0	degree	0.0
DSP0	t	53.9
GMO	m	1.525

DAMAGE CASE D7
DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m	
D7	R7	0.95	10.7	17.33	0.00	1.48

INITIAL/DAMAGE CASE I2_ICE/D7 FLOATING POSITION

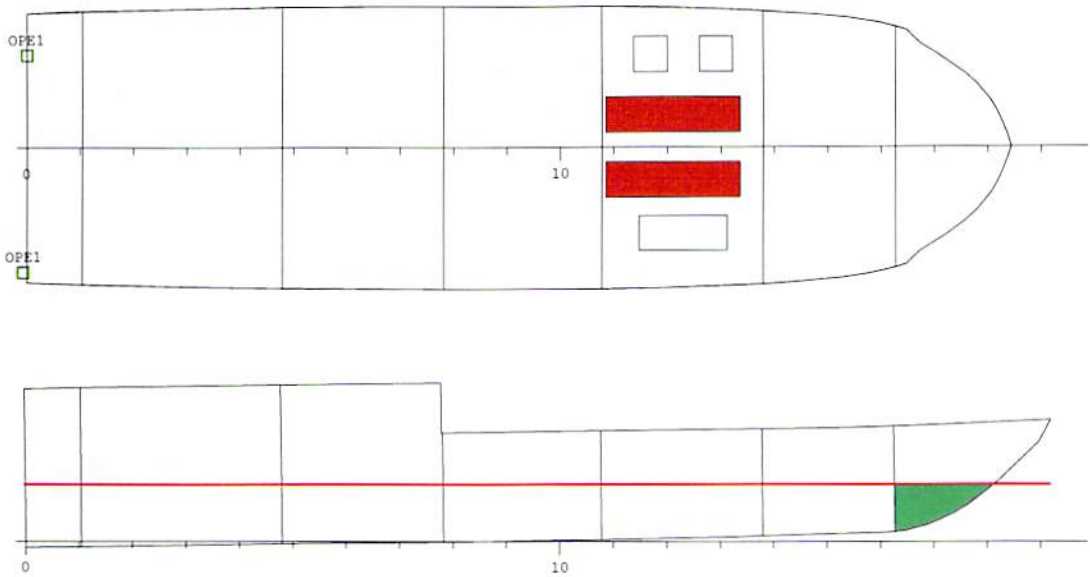
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I2_ICE/D7	EQ	1.02	-0.33	0.0	1.272	0.38	1.66
I2_ICE/D7	EQ	1.04	-0.23	0.0	1.371	0.38	1.69

INITIAL/DAMAGE CASE I2_ICE/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS
EQUILIBRIUM CONDITION AFTER FLOODING

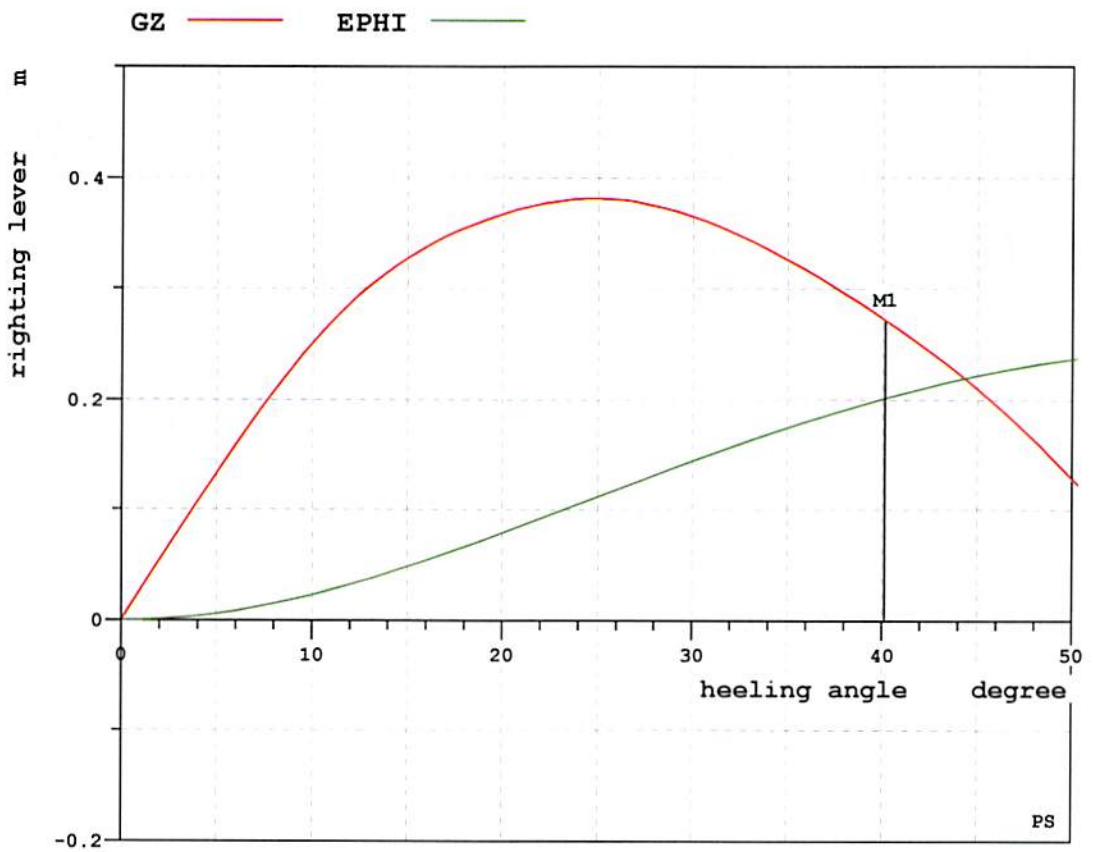
PHASE NAME	DESCRIPTION	SIDE CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ OPE1	Engine air inlet	PS	79.34	3.91

INITIAL/DAMAGE CASE I2_ICE/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION DESCRIPTION	REQ.	ATT. UNIT	STATUS
EQ	PS	FMAW_DAM_M.Deck edge not immersed	0.000	1.690 m	OK
EQ	PS	FMAW_DAM_R.Varalaita aukkoon	0.300	3.905 m	OK
EQ	PS	FMAW_DAM_M.Max heel 10 degrees	10.000	0.000 deg	OK
EQ	PS	FMAW_DAM_R.Positive range at least 1.	15.000	56.582 deg	OK
EQ	PS	FMAW_DAM_M.Max GZ at least 0.1m	0.100	0.381 m	OK
EQ	PS	FMAW_DAM_D.Pinta-ala 0.015 mrad	0.015	0.139 mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I2_ICE/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I2_ICE/D7

I= 7

INICASE= I3

INITIAL CASE I3 -----

```

INIT                I3
-----
T0      m          0.955
TR0     m          -0.345
HEEL0   degree     0.0
DSP0    t          48.4
GM0     m          1.707
    
```

DAMAGE CASE D7
DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m
D7	R7	0.95	10.7	17.33	0.00

INITIAL/DAMAGE CASE I3/D7 FLOATING POSITION

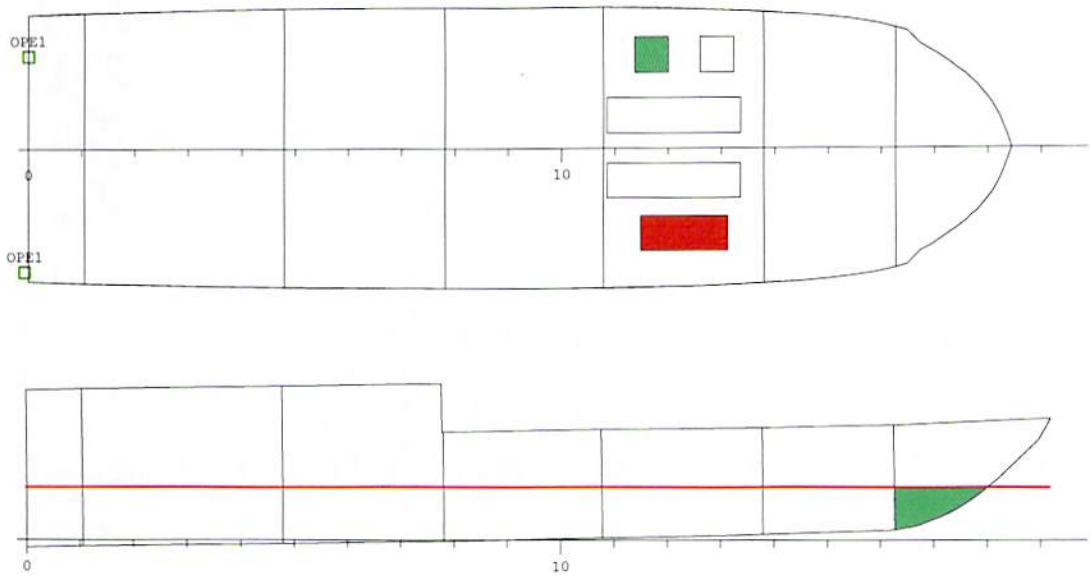
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I3/D7	EQ	0.96	-0.34	0.0	1.467	0.38	1.72
I3/D7	EQ	0.97	-0.26	0.0	1.551	0.39	1.74

INITIAL/DAMAGE CASE I3/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS
EQUILIBRIUM CONDITION AFTER FLOODING

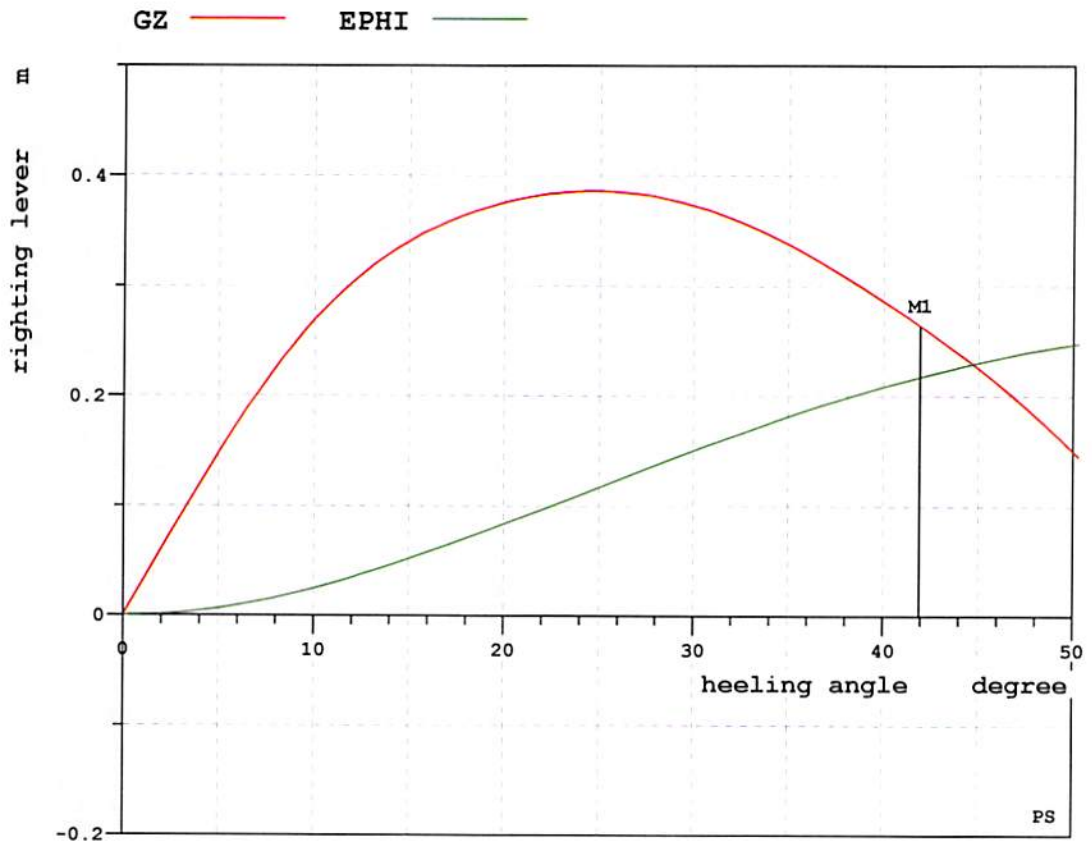
PHASE NAME	DESCRIPTION	SIDE CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ OPE1	Engine air inlet	PS	80.75	3.96

INITIAL/DAMAGE CASE I3/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M.Deck edge not immersed	0.000	1.743	m	OK
EQ	PS	FMAW_DAM_R.Varalaita aukkoon	0.300	3.957	m	OK
EQ	PS	FMAW_DAM_M.Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R.Positive range at least 1.	15.000	57.695	deg	OK
EQ	PS	FMAW_DAM_M.Max GZ at least 0.1m	0.100	0.386	m	OK
EQ	PS	FMAW_DAM_D.Pinta-ala 0.015 mrad	0.015	0.143	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I3/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I3/D7

I= 8

INICASE= I31

INITIAL CASE I31 -----

INIT		I31
T0	m	1.018
TR0	m	-0.112
HEEL0	degree	0.0
DSP0	t	52.9
GM0	m	1.653

DAMAGE CASE D7
DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m	
D7	R7	0.95	10.7	17.33	0.00	1.48

INITIAL/DAMAGE CASE I31/D7 FLOATING POSITION

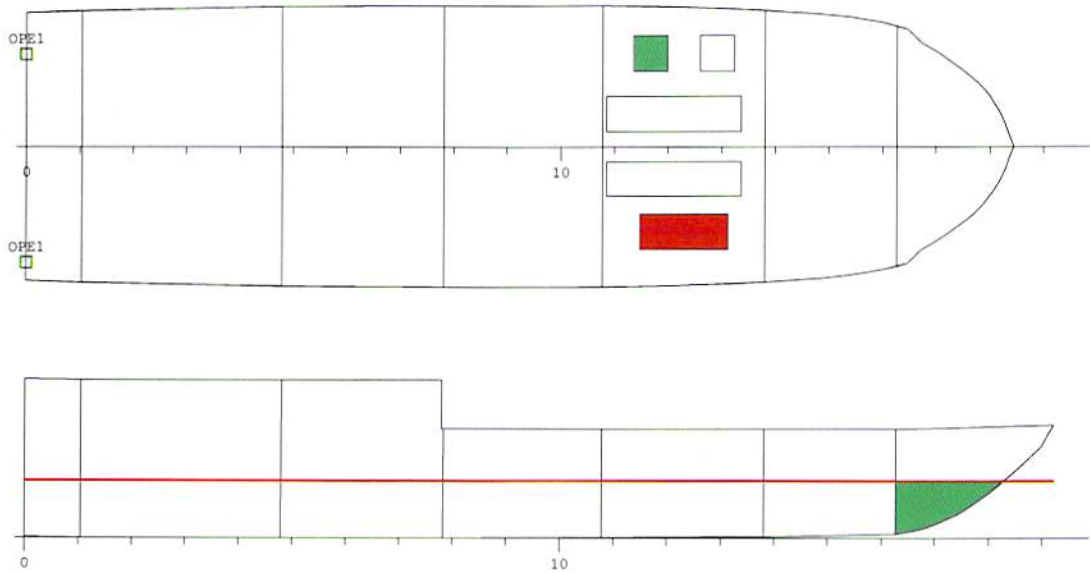
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I31/D7	EQ	1.02	-0.11	0.0	1.418	0.39	1.77
I31/D7	EQ	1.04	0.02	0.0	1.561	0.39	1.79

INITIAL/DAMAGE CASE I31/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS
EQUILIBRIUM CONDITION AFTER FLOODING

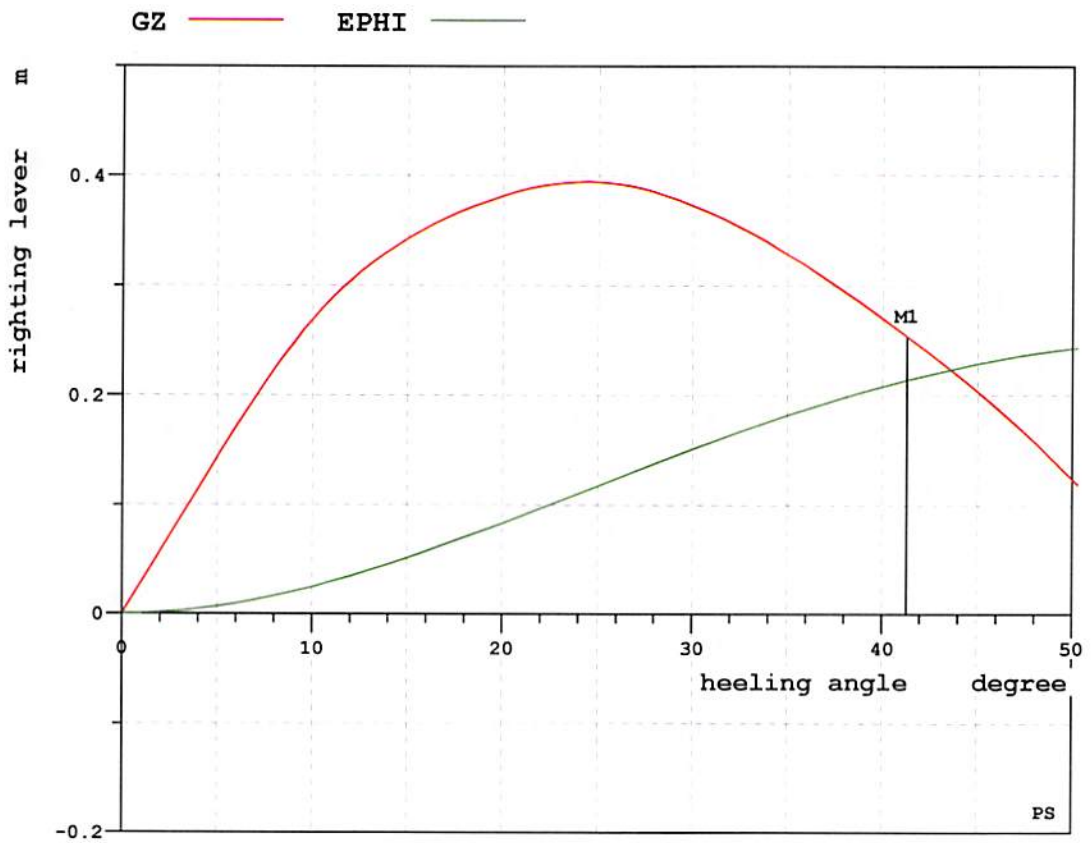
PHASE NAME	DESCRIPTION	SIDE CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ OPE1	Engine air inlet	PS	83.93	4.03

INITIAL/DAMAGE CASE I31/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M.Deck edge not immersed	0.000	1.790	m	OK
EQ	PS	FMAW_DAM_R.Varalaita aukkoon	0.300	4.028	m	OK
EQ	PS	FMAW_DAM_M.Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R.Positive range at least 1.	15.000	56.483	deg	OK
EQ	PS	FMAW_DAM_M.Max GZ at least 0.1m	0.100	0.394	m	OK
EQ	PS	FMAW_DAM_D.Pinta-ala 0.015 mrad	0.015	0.094	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I31/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I31/D7

I= 9

INICASE= I31_ICE

INITIAL CASE I31_ICE -----

INIT		I31_ICE
T0	m	1.061
TR0	m	-0.149
HEEL0	degree	0.0
DSP0	t	56.7
GMO	m	1.480

DAMAGE CASE D7
DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m	
D7	R7	0.95	10.7	17.33	0.00	1.48

INITIAL/DAMAGE CASE I31_ICE/D7 FLOATING POSITION

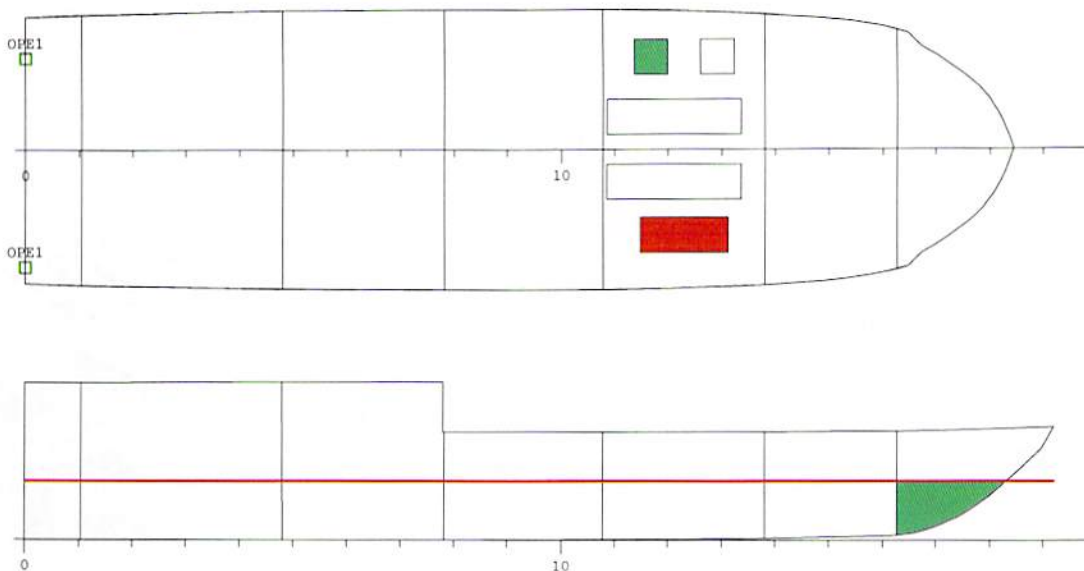
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I31_ICE/D7	EQ	1.06	-0.15	0.0	1.266	0.37	1.71
I31_ICE/D7	EQ	1.09	-0.01	0.0	1.409	0.37	1.75

INITIAL/DAMAGE CASE I31_ICE/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS
EQUILIBRIUM CONDITION AFTER FLOODING

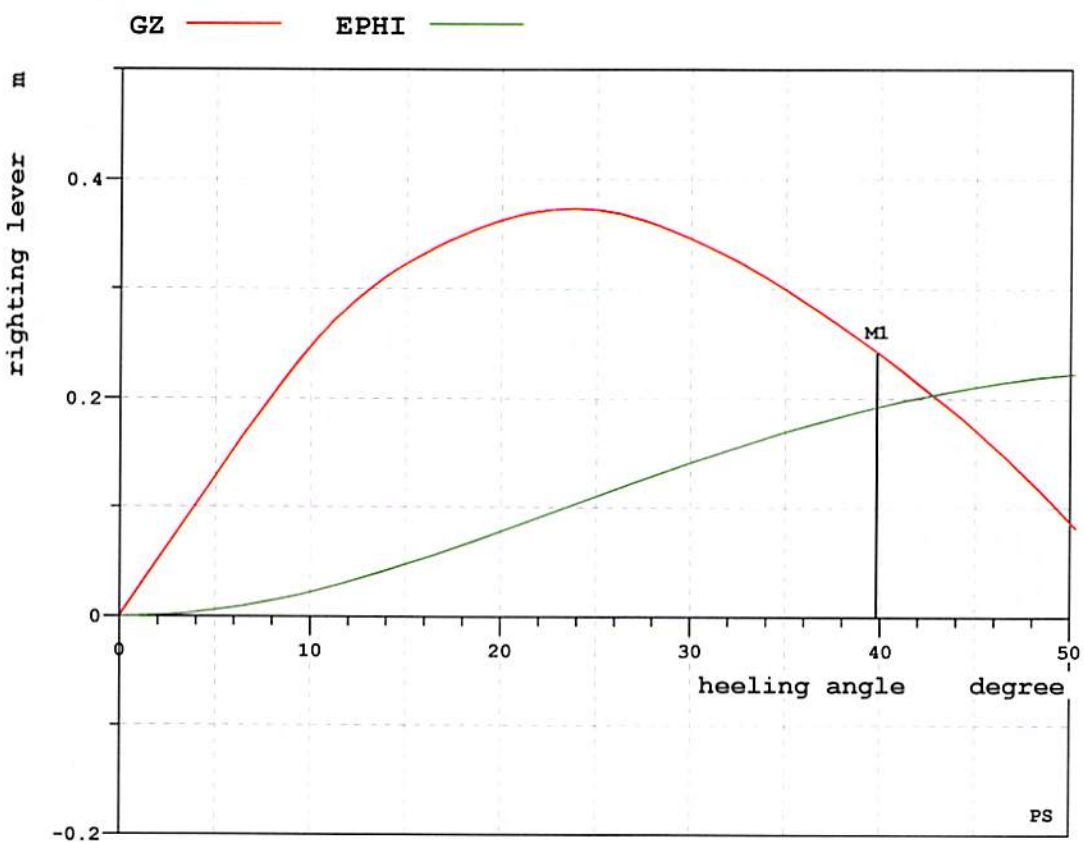
PHASE NAME	DESCRIPTION	SIDE CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ OPE1	Engine air inlet	PS	82.08	3.97

INITIAL/DAMAGE CASE I31_ICE/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M.Deck edge not immersed	0.000	1.754	m	OK
EQ	PS	FMAW_DAM_R.Varalaita aukkoon	0.300	3.969	m	OK
EQ	PS	FMAW_DAM_M.Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R.Positive range at least 1.	15.000	54.454	deg	OK
EQ	PS	FMAW_DAM_M.Max GZ at least 0.1m	0.100	0.373	m	OK
EQ	PS	FMAW_DAM_D.Pinta-ala 0.015 mrad	0.015	0.073	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I31_ICE/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I31_ICE/D7

I= 10

INICASE= I3_ICE

INITIAL CASE I3_ICE -----

INIT		I3_ICE
T0	m	0.999
TR0	m	-0.378
HEEL0	degree	0.0
DSP0	t	52.2
GMO	m	1.528

DAMAGE CASE D7
DAMAGED COMPARTMENTS

DAMAGE CASE DESCRIPTION	COMPARTMENT	PERM. VOLUME m3	XCG m	YCG m	ZCG m	
D7	R7	0.95	10.7	17.33	0.00	1.48

INITIAL/DAMAGE CASE I3_ICE/D7 FLOATING POSITION

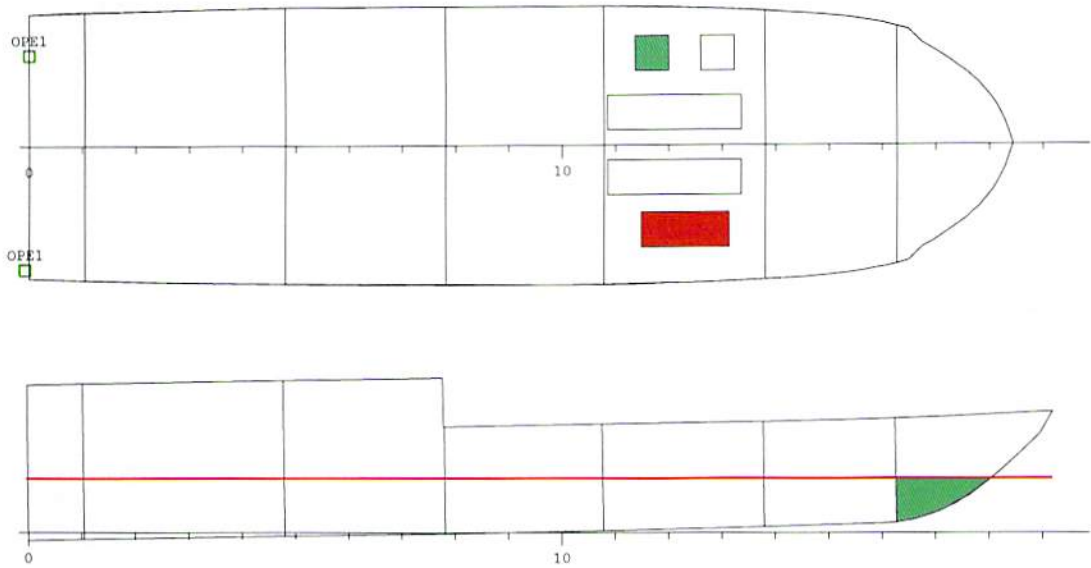
CASE	PHASE	T m	TR m	HEEL degree	MINGM m	GZMAXR m	MARG.LINE m
I3_ICE/D7	EQ	1.00	-0.38	0.0	1.310	0.36	1.66
I3_ICE/D7	EQ	1.02	-0.29	0.0	1.396	0.37	1.68

INITIAL/DAMAGE CASE I3_ICE/D7 IMMERSION ANGLE AND DOWNFLOODING HEIGHT OF OPENINGS
EQUILIBRIUM CONDITION AFTER FLOODING

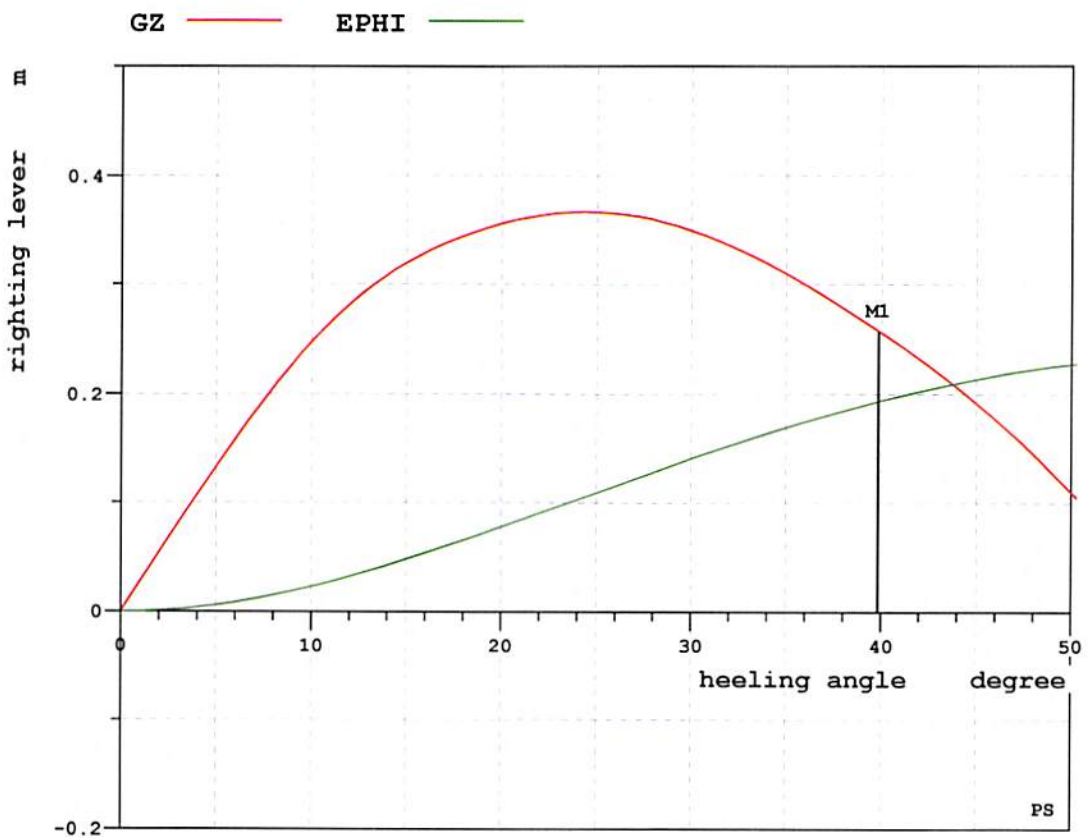
PHASE NAME	DESCRIPTION	SIDE	CONNECT	FL.ANGLE degree	FL.HEIGH m
EQ	OPE1 Engine air inlet	PS		78.99	3.90

INITIAL/DAMAGE CASE I3_ICE/D7 SUMMARY OF CRITERIA STATUS

PHASE	SIDE	CRITERION DESCRIPTION	REQ.	ATT.	UNIT	STATUS
EQ	PS	FMAW_DAM_M.Deck edge not immersed	0.000	1.685	m	OK
EQ	PS	FMAW_DAM_R.Varalaita aukkoon	0.300	3.900	m	OK
EQ	PS	FMAW_DAM_M.Max heel 10 degrees	10.000	0.000	deg	OK
EQ	PS	FMAW_DAM_R.Positive range at least 1.	15.000	55.638	deg	OK
EQ	PS	FMAW_DAM_M.Max GZ at least 0.1m	0.100	0.367	m	OK
EQ	PS	FMAW_DAM_D.Pinta-ala 0.015 mrad	0.015	0.120	mrad	OK



COMPARTMENT FILLING AND FLOATING POSITION, LOAD/DAMAGE CASE I3_ICE/D7



GZ-CURVE IN EQUILIBRIUM STAGE, LOAD/DAMAGE CASE I3_ICE/D7



TRANSPORTSTYRELSEN
Göteborgs sjöfartsinspektionsområde
Ink. 2011 -11- 02
Dnr:

2011-09-29
CORIOLIS AB

TRANSPORTSTYRELSEN
Gothenburg Maritime Inspectorate
GODKÄND/APPROVED
Med avseende på/With respect to
FELBERG
Under förutsättning att givna anmärkningar iakttages
Upon condition that the remarks made are observed
Name: *[Signature]*
Date: *2010-01-10* Dnr: *TIS 2011-2020*

Arbetsbåten "ASKHOLMEN" ; Reg.bet. SIUD

FRIBORDSPLAN Fotografier och Specifikation

Utgåva B



Referensritning: Ritn.nr 102-1 utg.B - Fribordsplan

NOT:

Koordinater X, Y och Z avser flödningspunkternas minst gynsamma position m.a.p flödning i krängt läge.

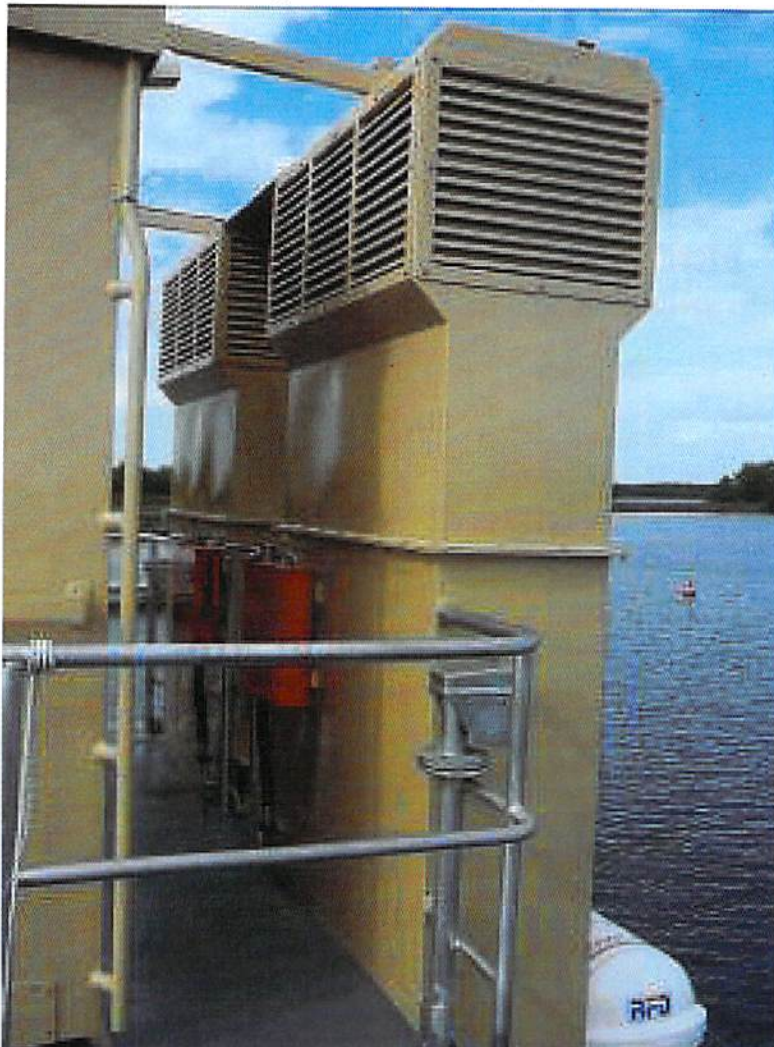
Exempel 1: Ett fönster på ett tvärskeppsskott anges med Y-koordinat extremt bordvarts.

Exempel 2: En serie fönster på ett långskeppsskott anges med X-koordinat för den punkt där flödning kan förväntas ske först.

Exempel 3: Z-koordinat för ett fönster anges med fönstrets lägsta punkt.

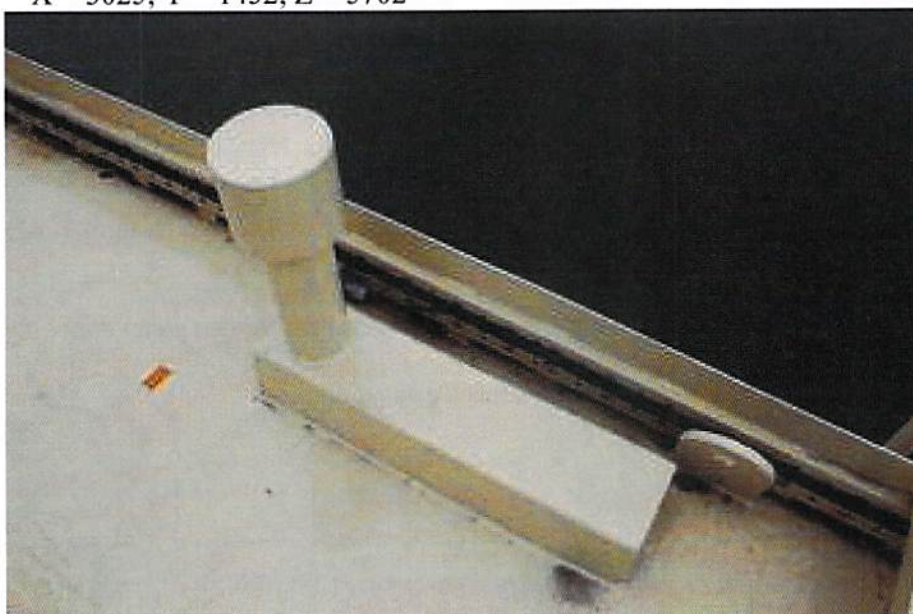
1. Ventilation – Maskinrum (SB + BB sida)

X = -173; Y = 1678; Z = 5088



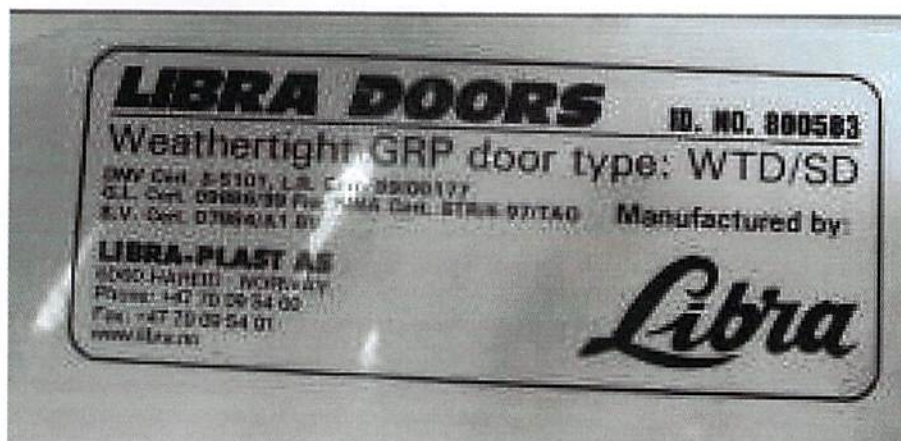
2. Ventilation – Styrhytt (SB sida)

X = 3025; Y = 1452; Z = 5702



3. Dörr till Styrhytt (SB sida)

X = 4452; Y = 1730; Z = 3387 Tröskelhöjd: 450 mm



4a, 4c, 4e & 4f. Fönster i Överbyggnad/Styrhytt; SB-sida, Front & Akterskott

4a: X = 3460; Y = 1735; Z = 4800

4c: X = 6670; Y = 1770; Z = 4830

4e: X = 7590; Y = 1550; Z = 4830

4f: X = 865; Y = 1230; Z = 4330



4b, 4d, 4e & 4f. Fönster i Överbyggnad/Styrhytt; BB-sida, Front och Akterskott

4b: X = 3460; Y = 1735; Z = 4330

4d: X = 6300; Y = 1770; Z = 4830

4e: X = 7590; Y = 1550; Z = 4830

4f: X = 865; Y = 1230; Z = 4330



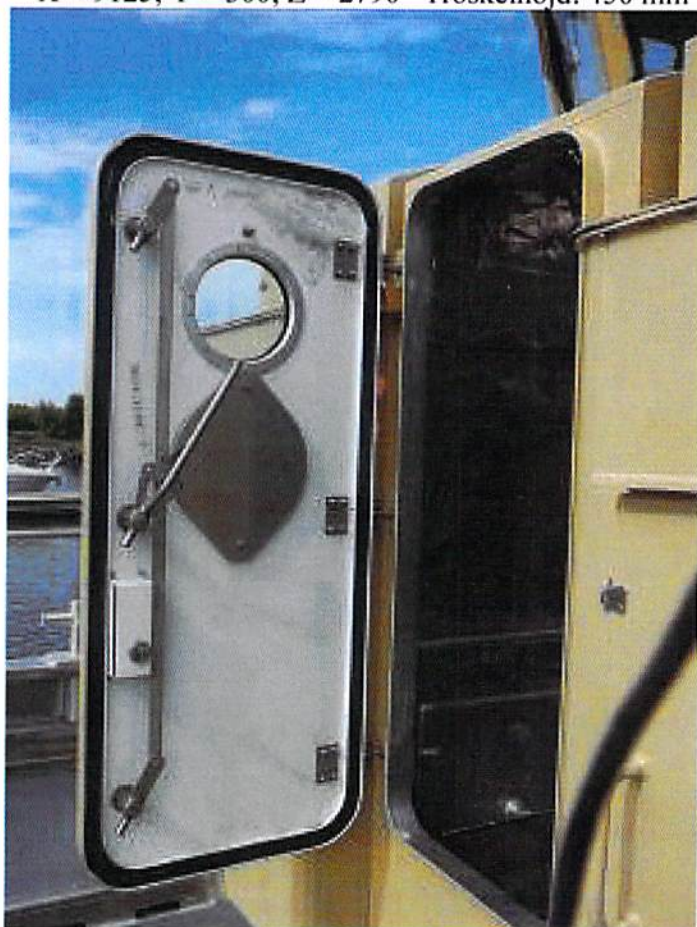
5. Ventilation till Jetutrymme (SB + BB sida)

X = 78; Y = 2031; Z = 3822



6. Dörr i CL till Tekniskt utrymme

X = 9125; Y = 300; Z = 2790 Tröskelhöjd: 450 mm



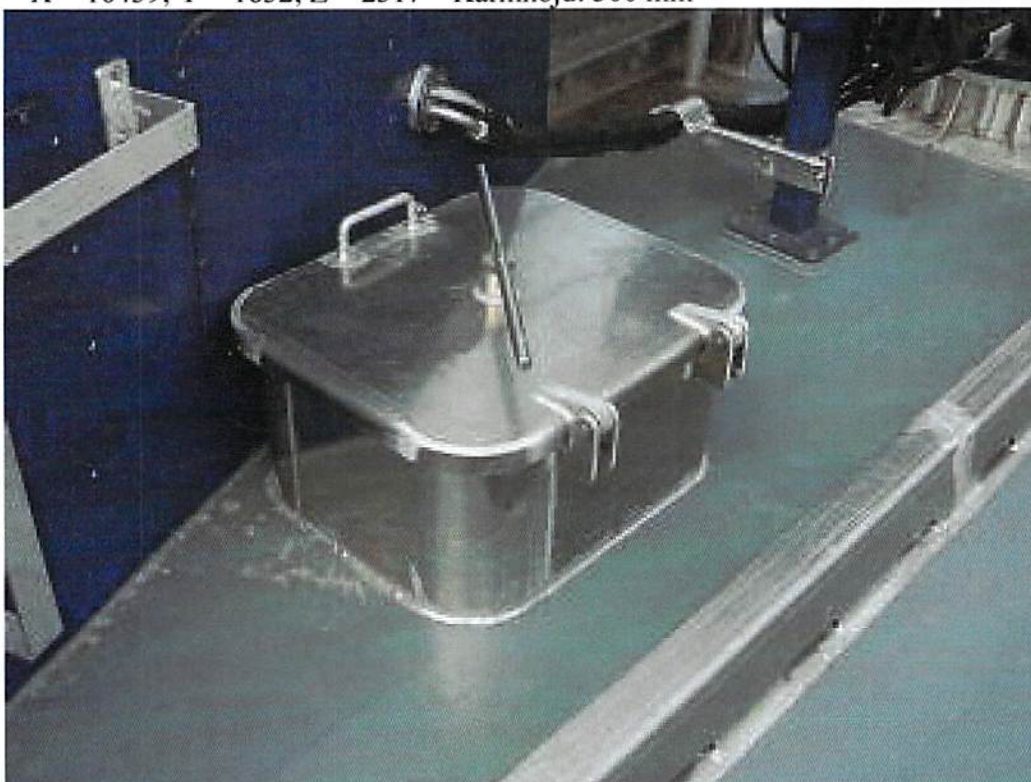
7. Ventilation till Förpik (SB + BB sida)

X = 18595; Y = 1709; Z = 3085

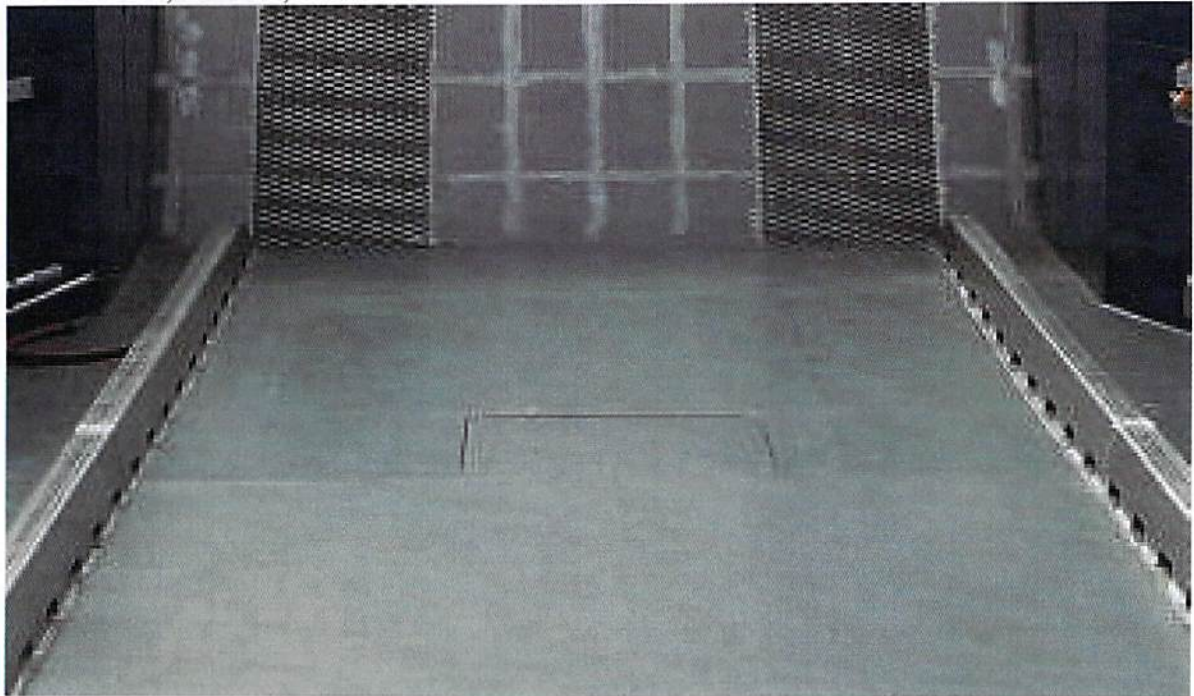


8. Lucka (med karm) till Förpik (SB sida)

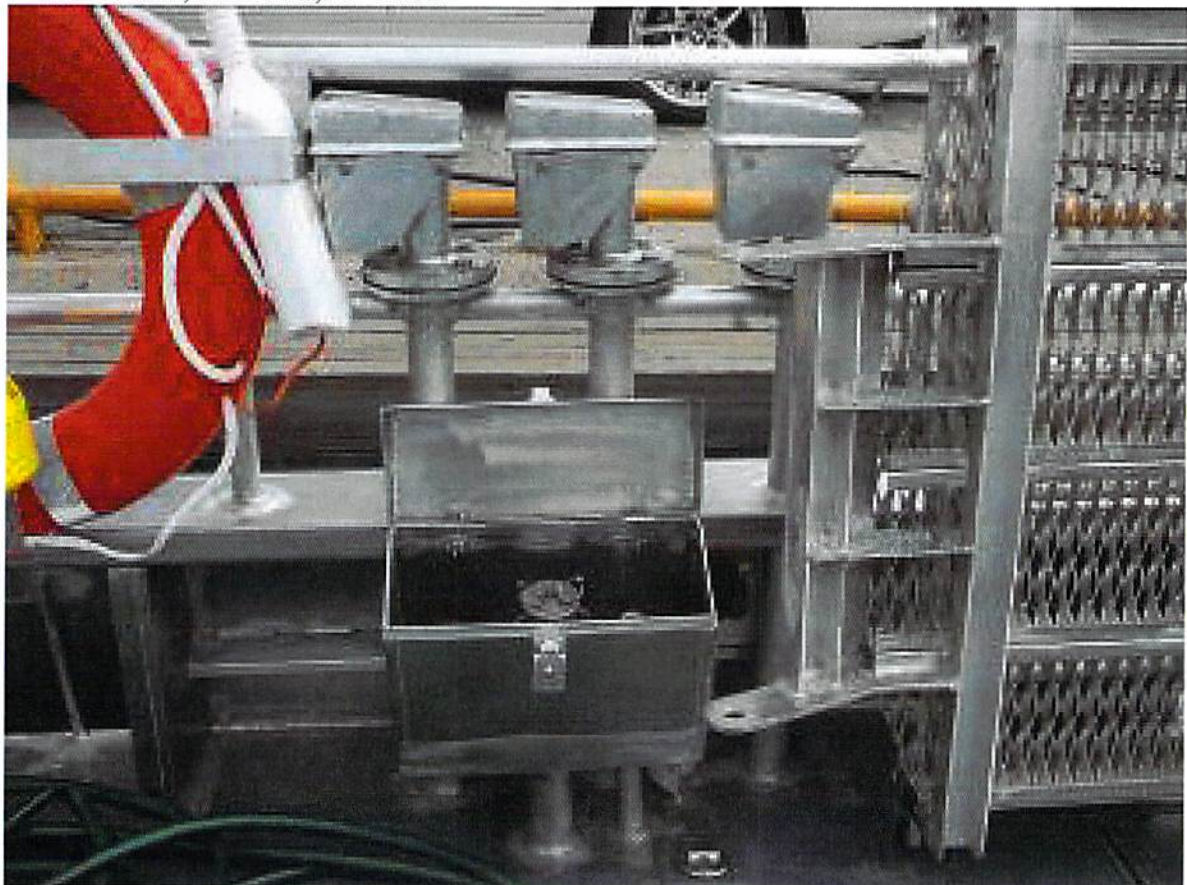
X = 16439; Y = 1832; Z = 2317 Karmhöjd: 300 mm



9. Lucka i CL (flush, bultad) till Förpik
X = 16439; Y = 300; Z = 2013

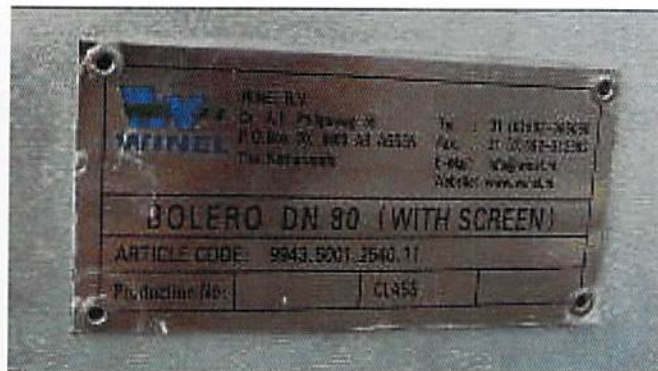


10. Bränslepåfyllning, Luftrör till bränsletank (BB sida)
X = 12944; Y = 2269; Z = 2888



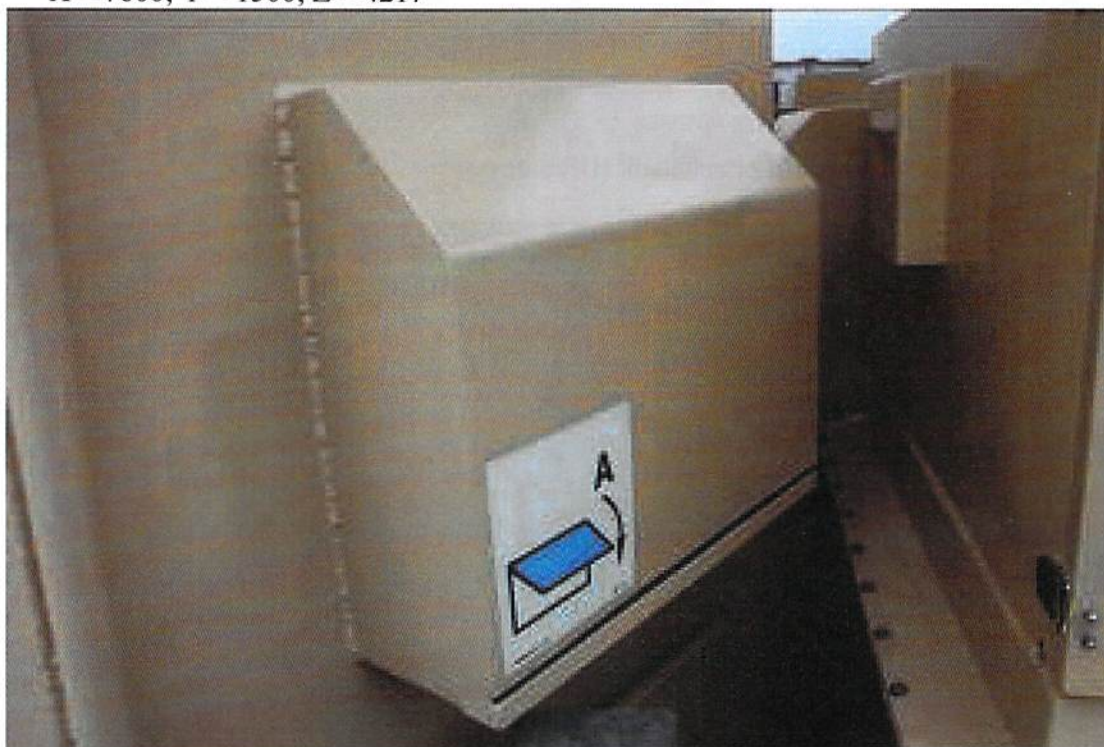
11. Ventilation till Tekniskt utrymme (SB + BB sida)

X = 7485; Y = 1600; Z = 3860



12. Luftintag till Defrosteranläggning (SB + BB sida)

X = 7600; Y = 1500; Z = 4217



Flödningspunkt	Beskrivning	Antal	Specifikation
1	Ventilation till Maskinrum	2	Stängningsanordning: Ingen
2	Ventilation till Styrhytt	1	Stängningsanordning: Ingen
3	Dörr till Styrhytt	1	Type: LIBRA, Weathertigth, GRP
4a	Fönster i Överbyggn. Akter; SB	1	Type: Aluminiumram, glaslist, ej öppningsbart Size: 660x260 Thickness: Laminerat; 4+4
4b	Fönster i Överbyggn. Akter; BB	3	Type: Aluminiumram, glaslist, ej öppningsbart Size: 660x740 Thickness: Laminerat; 4+4
4c	Fönster i Styrhytt-sida; SB	2	Type: Aluminiumram, glaslist, ej öppningsbart Size: 730x740 Thickness: Laminerat; 4+4
4d	Fönster i Styrhytt-sida; BB	3	Type: Aluminiumram, glaslist, ej öppningsbart Size: 730x740 Thickness: Laminerat; 4+4
4e	Fönster i Styrhytt-Front	4	Type: Aluminiumram, glaslist, ej öppningsbart Size: 820x805 Thickness: Laminerat; 6+6
4f	Fönster i Överbyggnad - Akterskott	2	Type: Aluminiumram, glaslist, ej öppningsbart Size: 660x740 Thickness: Laminerat; 4+4
5	Ventilation till Jetutrymme	2	Stängningsanordning: Backventil, Winel-Bolero
6	Dörr till Tekniskt utrymme	1	Type: LIBRA, Vädertät, GRP
7	Ventilation till Förpik	4	Stängningsanordning: Backventil, Winel-Bolero
8	Lucka (med karm) till Förpik	1	Typ/Storlek: Vädertät, 600 x 600, Karm: 300 mm
9	Lucka (flush, bultad) till Förpik	1	Typ/Storlek: Vädertät, 600 x 600, Bultad, Flush
10	Bränslepåfyllning, Luftrör Bränsletank	1	Stängningsanordning: Backventil, Winel-Bolero
11	Ventilation till Tekniskt utrymme	1	Stängningsanordning: Backventil, Winel-Bolero
12	Luftintag till Defrosteranläggning	1	Stängningsanordning: Vädertätt spjäll

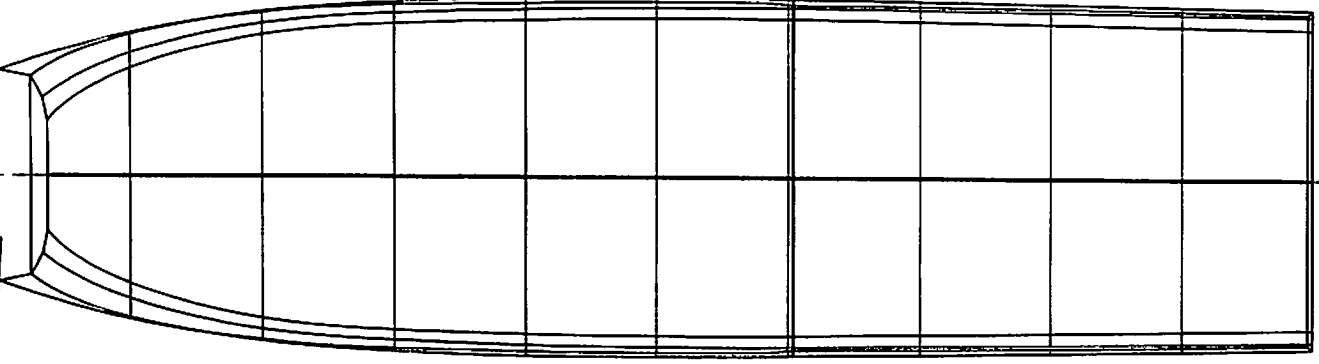
FILENAME:

THIS DRAWING AND THE DESIGN IS OUR PROPERTY AND MUST NOT BE DISCLOSED TO ANY THIRD PERSON WITHOUT PERMISSION.

REV	ALTERATION	DATE	SIGN

ITEM	QTY	DESCRIPTION	PART NO
110824		Design/Developed MHJ	
		Drawn/Drawn CAD	
		Scale/Scale 1:75	
		Group/Group CORIOLIS	
		Rev./Rev. no 100-1	
		Phormn/Phormn 100-1	

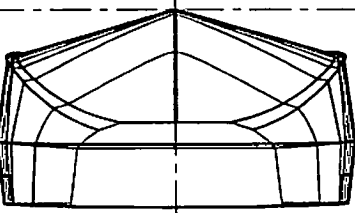
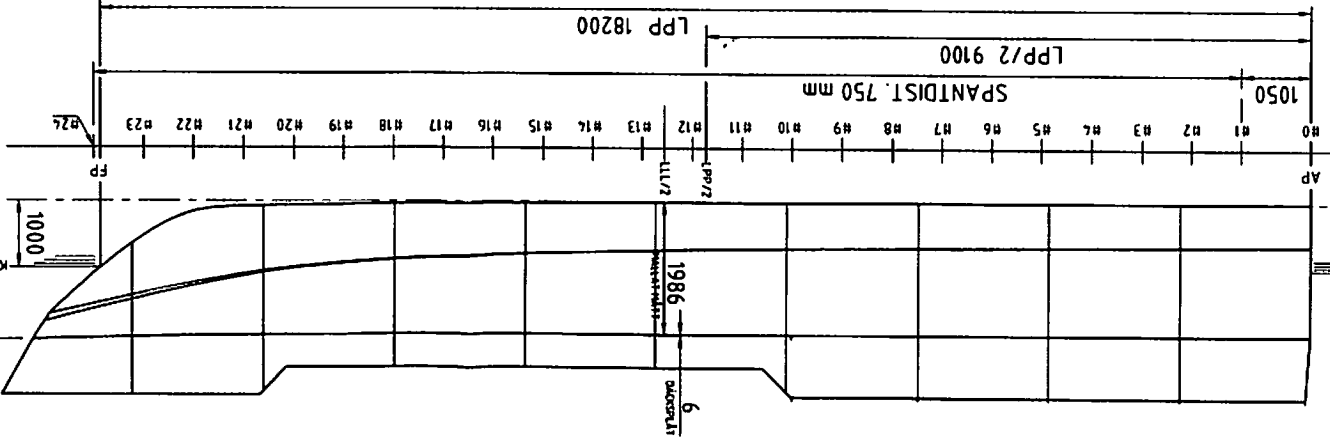
Tolerances etc. as specified in SMS 713 model, SMS 723 class A (DN 7168 medium, DN 8570 class A) unless otherwise specified



HUVUDDIMENSIONER

LANGD ÖVER ALLT, LOA 2136 m
 LANGD (FRIBORD), LLL 1944 m
 LANGD MELLAN PERP, LPP 1820 m
 MALLAD BREDD, Bm 540 m
 MALLAD ÖVP, Om 1986 m @ (LPP/2)

TRANSPORTSTYRELSEN
 Göteborgs sjöfartstillsynsmyndighet
 Insk. 2011-08-31
 Dnr: TSS 2011-2076
 Datum/Dat: 2017-01-10
 Enclosure to letter
 TRANSPORTSTYRELSEN



NOT
 LINJERTINGEN BESKRIVER MALLADE MÅTT. ÖVRS INSIDA
 BORDLAGNING OCH UNDERSIDA DACKSPRÅT